

## CISCO IOS SOFTWARE DEPLOYMENT RELEASE 12.3(7)JA

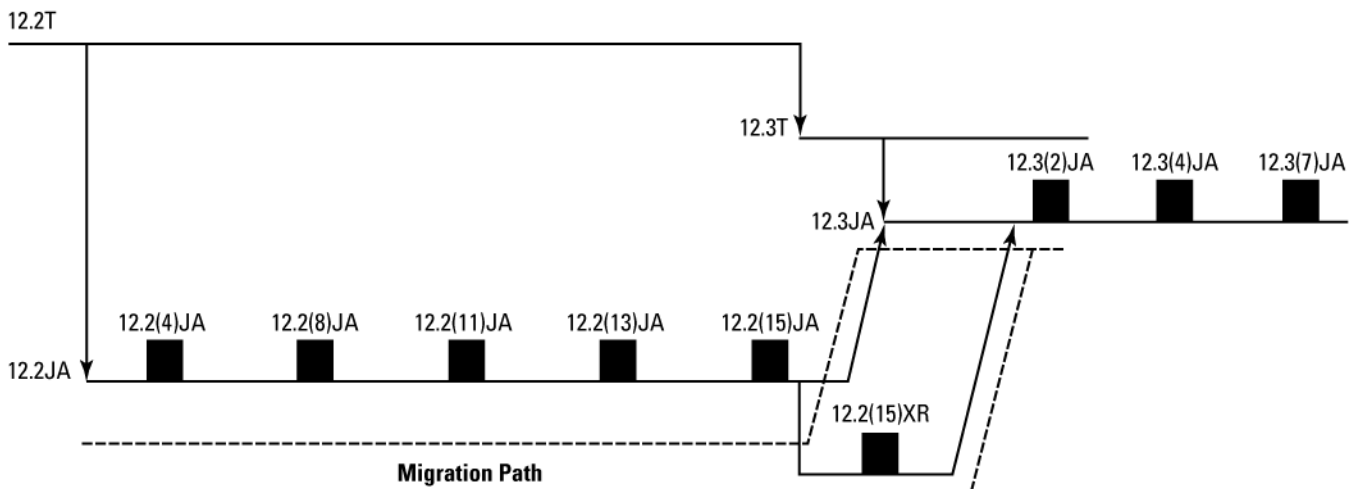
This product bulletin describes the content and delivery information for Cisco IOS® Software Release 12.3(7)JA, an deployment release supporting Cisco® Aironet® 1400 Series outdoor wireless bridges, Cisco Aironet 1300 Series outdoor access points/bridges, and Cisco Aironet 1240AG, 1230AG, 1200, 1130AG, and 1100 series access points. This release contains new features as well as support for the features delivered in Cisco IOS Software Release 12.3(4)JA, described in Product Bulletin 2850.

Cisco IOS Software Release 12.3(7)JA provides several features for Cisco Aironet 1400 Series outdoor wireless bridges, Cisco Aironet 1300 Series outdoor access points/bridges, and Cisco Aironet 1240AG, 1230AG, 1200, 1130AG, and 1100 series access points. Feature enhancements include support for Cisco Aironet 1240AG Series access points; Access Point Link Role Flexibility; NAC—L2 IEEE 802.1x, Quality of Service (QoS) Basic Service Set (QBSS) support; and authentication, authorization, and accounting (AAA) cache.

This Cisco IOS Software release is available as a free software upgrade for Cisco Aironet 1130, 1410, 1200, 1100, and 350 series access points and Cisco Aironet 1300 Series outdoor access points/bridges. Figure 1 displays the release train and recommended migration path for Cisco IOS Software Release 12.3(7)JA. Only bug fixes are provided for Cisco Aironet 350 Series access points in this release.

This is an initial release for Cisco Aironet 1240AG Series access point. Feature set is the same as existing software features supported on the AP1200.

**Figure 1.** Release Train and Recommended Migration Path for Cisco IOS Software Release 12.3(7)JA



## NEW FEATURES IN CISCO IOS SOFTWARE RELEASE 12.3(7)JA

Table 1 lists new features in Cisco IOS Software Release 12.3(7)JA. These features are supported in this release for the platforms noted.

**Table 1.** New Cisco IOS Software Features

New Features	Cisco Aironet 1100 Series Access Point	Cisco Aironet 1130AG Series Access Point	Cisco Aironet 1200 Series Access Point	Cisco Aironet 1230AG Series Access Point	Cisco Aironet 1240AG Series Access Point	Cisco Aironet 1300 Series Access Point/Bridge	Cisco Aironet 1400 Series Wireless Bridge
Access Point Link Role Flexibility	–	–	X	X	X	–	–
AAA Cache and Profile	X	X	X	X	X	X	X
Secure Shell v2	X	X	X	X	X	X	X
NAC—L2 IEEE 802.1x	X	X	X	X	X	X	-

### CISCO IOS SOFTWARE RELEASE 12.3(7)JA FEATURE DESCRIPTION

**Access Point Link Role Flexibility**—Allows access point radios to operate in a combination of radio roles, such as access point root, access point repeater, bridge root (with or without clients), bridge nonroot (with or without clients), and WGB. This provides a more flexible deployment scheme for the AP1200 Series supporting various applications requirement.

**AAA cache and profile**—New capability to cache the information returned from the RADIUS or TACACS+ SERVER to provide a more efficient handling of authentication process.

**Secure Shell v2**—SSHv2 is standards-based protocol to provide secure telnet capability for router configuration and administration.

**NAC -L2 IEEE 802.1x**—Network Admission Control (NAC) L2 IEEE 802.1x extends NAC support to layer 2 switches and wireless access points. Combining it with 802.1x provides a unified authentication and posture validation mechanism at the layer 2 network edge. This helps protect the network from attack by machines with insufficient antivirus posture. Performing posture validation at the edge maximizes the portion of the network which is protected and allows posture validation to be performed with a VLAN.

**Note:** The QBSS capability has been changed to leverage channel utilization instead of AP traffic load.

### Release Notes

For more information about the platforms and features delivered in Cisco IOS Software Release 12.3(7)JA, release notes are available at:

<http://www.cisco.com/en/US/products/hw/wireless/index.html>

### Support

Cisco IOS Software Release 12.3(7)JA follows the standard Cisco support policy. For more information, visit:

[http://www.cisco.com/en/US/products/products\\_end-of-life\\_policy.html](http://www.cisco.com/en/US/products/products_end-of-life_policy.html)

## PRODUCT FEATURES AND MODEL NUMBERS

Cisco IOS Software Release 12.3(7)JA feature sets, images, and memory recommendations are listed in Table 2. The products supported by this release are listed in Table 3.

**Table 2.** Cisco IOS Software Release 12.3(7)JA Feature Sets, Images, and Memory Recommendations

Platform	Software Feature Set	Product Code	Image	Flash	DRAM
<b>Cisco Aironet 1400 Series Wireless Bridges</b>	Wireless LAN	S141W7K9-12307JA	c1410-k9w7-tar.123-7.JA	8 MB	16 MB
<b>Cisco Aironet 1300 Series Outdoor Access Points/Bridges</b>	Wireless LAN	S131W7K9-12307JA	c1310-k9w7-tar.123-7.JA	8 MB	32 MB
<b>Cisco Aironet 1240AG Series Access Points</b>	Wireless LAN	S124W7K9-12307JA	c1240-k9w7-tar.123-7.JA	16 MB	32 MB
<b>Cisco Aironet 1230AG Series Access Points</b>	Wireless LAN	S12W7K9-12307JA	c1200-k9w7-tar.123-7.JA	8 MB	16 MB
<b>Cisco Aironet 1200 Series Access Points</b>	Wireless LAN	S12W7K9-12307JA	c1200-k9w7-tar.123-7.JA	8 MB	16 MB
<b>Cisco Aironet 1130AG Series Access Points</b>	Wireless LAN	S113W7K9-12307JA	c1130-k9w7-tar.123-7.JA	16 MB	32 MB
<b>Cisco Aironet 1100 Series Access Points</b>	Wireless LAN	S11W7K9-12307JA	c1100-k9w7-tar.123-7.JA	8 MB	16 MB

**Table 3.** Products Supported by Cisco IOS Software Release 12.3(7)JA

Platform	Model Number
<b>Cisco Aironet 1400 Series Wireless Bridges</b>	BR1410A
<b>Cisco Aironet 1300 Series Outdoor Access Points/Bridges</b>	BR1310G
<b>Cisco Aironet 1240AG Series Access Points</b>	AP1242AG
<b>Cisco Aironet 1230AG Series Access Points</b>	AP1232AG
<b>Cisco Aironet 1200 Series Access Points</b>	AP1210, AP1230A, AP1230B, AP1231G
<b>Cisco Aironet 1130AG Series Access Points</b>	AP1131AG
<b>Cisco Aironet 1100 Series Access Points</b>	AP1120B, AP1121G
<b>Cisco Aironet 350 Series Access Points</b>	AP350

There is new regulatory domain for Cisco Aironet 1130AG (K, S and T) and Cisco Aironet 1200 802.11a radios (S and T).

There is also support for new P-SKU for Cisco Aironet 1130AG and Cisco Aironet 1200 802.11a radios.

## DOWNLOAD INFORMATION

Cisco IOS Software Release 12.3(7)JA can be downloaded from the following locations:

<http://www.cisco.com/public/sw-center/sw-wireless.shtml>

<http://www.cisco.com/public/sw-center/sw-ios.shtml>

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